

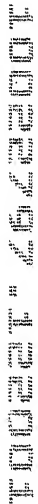
[illegible]

Figure 6. The effect of the number of iterations (n) on the accuracy of the proposed algorithm. The results are shown for different values of α and β . The x-axis represents the number of iterations (n), ranging from 0 to 100. The y-axis represents the error, ranging from 0 to 1. The legend indicates the following parameter combinations:

- $\alpha = 0.5, \beta = 0.5$ (Blue line)
- $\alpha = 0.7, \beta = 0.3$ (Orange line)
- $\alpha = 0.9, \beta = 0.1$ (Green line)

The graph shows that the error generally decreases as the number of iterations increases, indicating convergence. The rate of convergence is highest for $\alpha = 0.5, \beta = 0.5$ and lowest for $\alpha = 0.9, \beta = 0.1$.

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